ABSTRACT OF THE DISCLOSURE

An electrical circuit protection device with three supporting substrates, two PTC elements, and first and second end terminations. The first and third substrates have an electrode formed on a first surface thereof. The second substrate has electrodes formed on both surfaces thereof. The first PTC element is laminated between the first and second substrates, electrically connecting the
first electrodes formed on the first and second substrates. The second PTC element is laminated between the second and third substrates, electrically connecting the second electrode formed on the second substrate and the first electrode formed on the third substrate. The end terminations wraps around opposite ends of the device. The first end termination is in electrical contact with the first electrodes formed on the second and third substrates and the second end termination is in electrical contact with the first electrode formed on the first substrate and the second electrode formed on the second substrate. The PTC elements are electrically connected in parallel between the end terminations. The multi-layered configuration allows for an increased electrical rating without increasing the overall footprint, i.e., length and width, of the device.